

## INSPECTION REPORT

APPLICABLE DOC. REF.

AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001  
is. 1

PROC. REF.

N.A.

ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – Visual inspection of some Piggy Back Boards before partially conformal coating — Inspection Point.

REQUIREMENT SATISFIED

Manufacturing according to aerospace standards

INSPECTION (Action/Results)

**DESCRIPTION**

Inspection was performed at Carlo Gavazzi Space premises starting on 14 July 2008 and was carried out on the following boards before partially conformal coating applied only on one layer, detail of the inspected boards were below reported:

- 1) AUX DC/DC BOARD ASSY p/n: 11-AMS02PDS-740.00 s/n: 07/014/F.
- 2) AUX DC/DC BOARD ASSY p/n: 11-AMS02PDS-740.00 s/n:07-015/G.

**HARDWARE REVIEW**

1) AUX DC/DC BOARD ASSY p/n: 11-AMS02PDS-740.00 s/n: 07/014/F, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCRs were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is closed.

The following PLVs (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A8 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A14 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A18 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A19 can be considered closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

Operator

Quality Assurance

C.C.

Signature

Date

E. FRANCINI

14/07/08

C. CINQUEPACCHI  
e. Cinquepacci  
14/7/8

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INSPECTION (Action/Results)

2) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-015/G, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.02 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.

The following NCRs were presented during the inspection:

- NCR-PDS-CGS-C-040(electrical connection missing on pcb), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-042(OVC protection improvement), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-060(OVC protection problem), NCR classified "minor" is closed.

The following PLVSs (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-740.02 rev / - A2 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A4 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A13 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A15 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A16 can be considered closed.
- 11-AMS02PDS-740.02 rev / - A19 can be considered closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

**CONCLUSION**

All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08A and ECSS-Q-70-38A, all modifications are performed according to ECSS-Q-70-28A.

Operator

Quality Assurance

C.C.

Signature

Date

E. FRANCINI

14/07/08 *[Signature]*

E. CIRRIERACCHI

C. Cirri  
14/7/8